



**PCB HOT SPOT AREA TCRA
PROJECT STATUS UPDATE
BCT MEETING
DECEMBER 8, 2011**



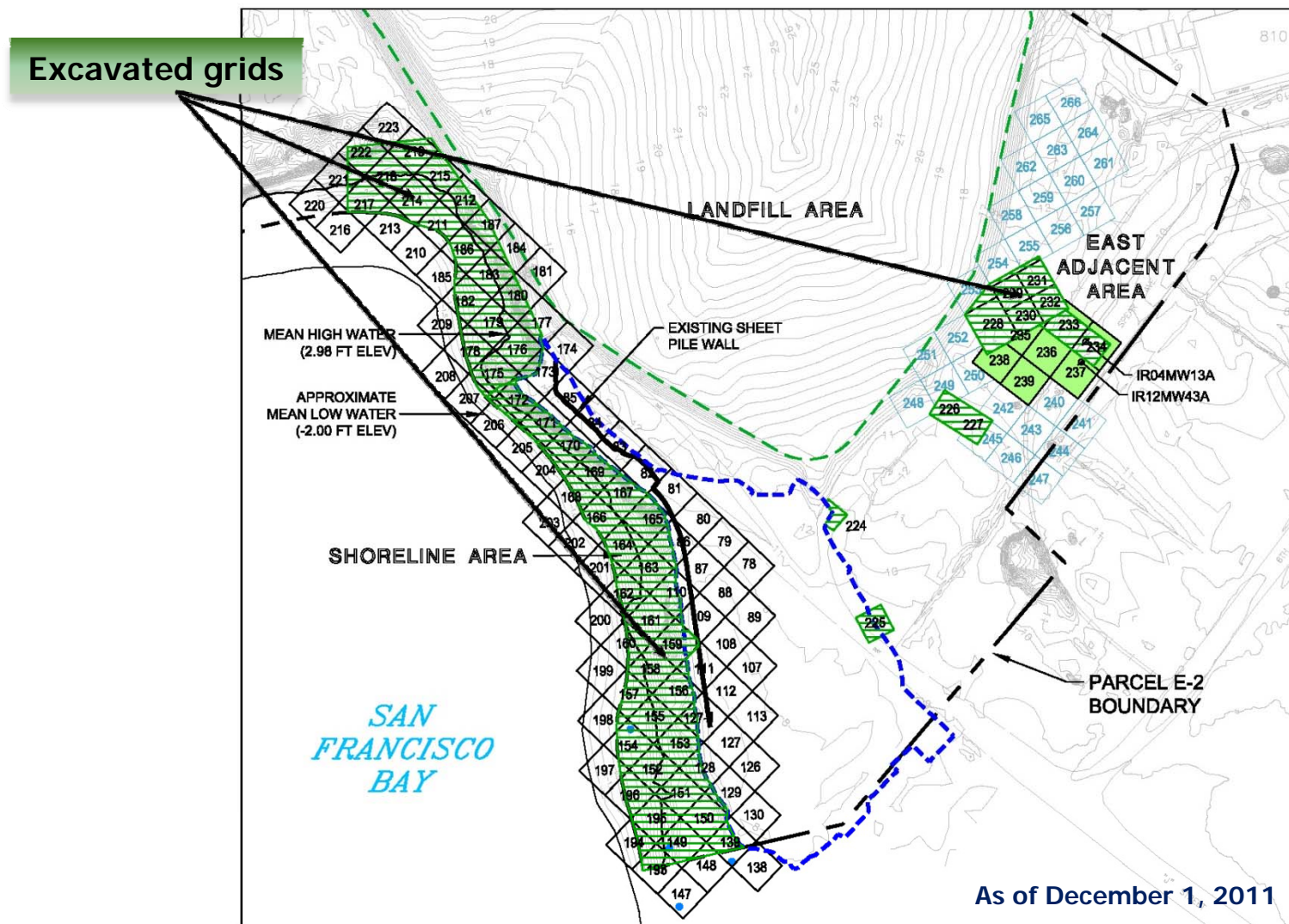
Presentation Overview



- Tier 1
- Tier 2
- Tier 3
- Tier 5
- What gets left behind
- What's next
- Schedule



Excavation Progress





Tier 1



- 100% of grids excavated, sampled, and backfilled
- Over-excavated 16 of 43 grids to <PALs or 10 ft bgs
- Over-excavated 6 of 43 grids to 12-16.5 ft bgs
- Over-excavated 2 sidewalls
- PAL exceedances for PCB or TPH in 9 bottom samples remain
- PAL exceedances for PCB or TPH in 14 sidewall samples remain
- 21,772 cy excavated



Tier 1 (continued)



View of Tier 1 final grid being excavated – looking north – November 9, 2011



Tier 2



- 100% of grids excavated, sampled and backfilled
- Over-excavated 12 of 29 grids to <PALs or 10 ft bgs
- Over-excavated 6 of 29 grids to 12-17 ft bgs
- Over-excavated 3 sidewalls to over 15 ft bgs
- Landfill cap encountered at Grids 177 and 174 – no further excavation will be conducted
- PAL exceedances for PCB or TPH in 2 bottom samples remain
- PAL exceedances for PCB or TPH in 7 sidewall samples remain
- 10,601 cy excavated



Tier 2 (continued)



Parcel E-2 Landfill cap liner in Grid 174, Quadrant A – November 30, 2011



Tier 2 (continued)

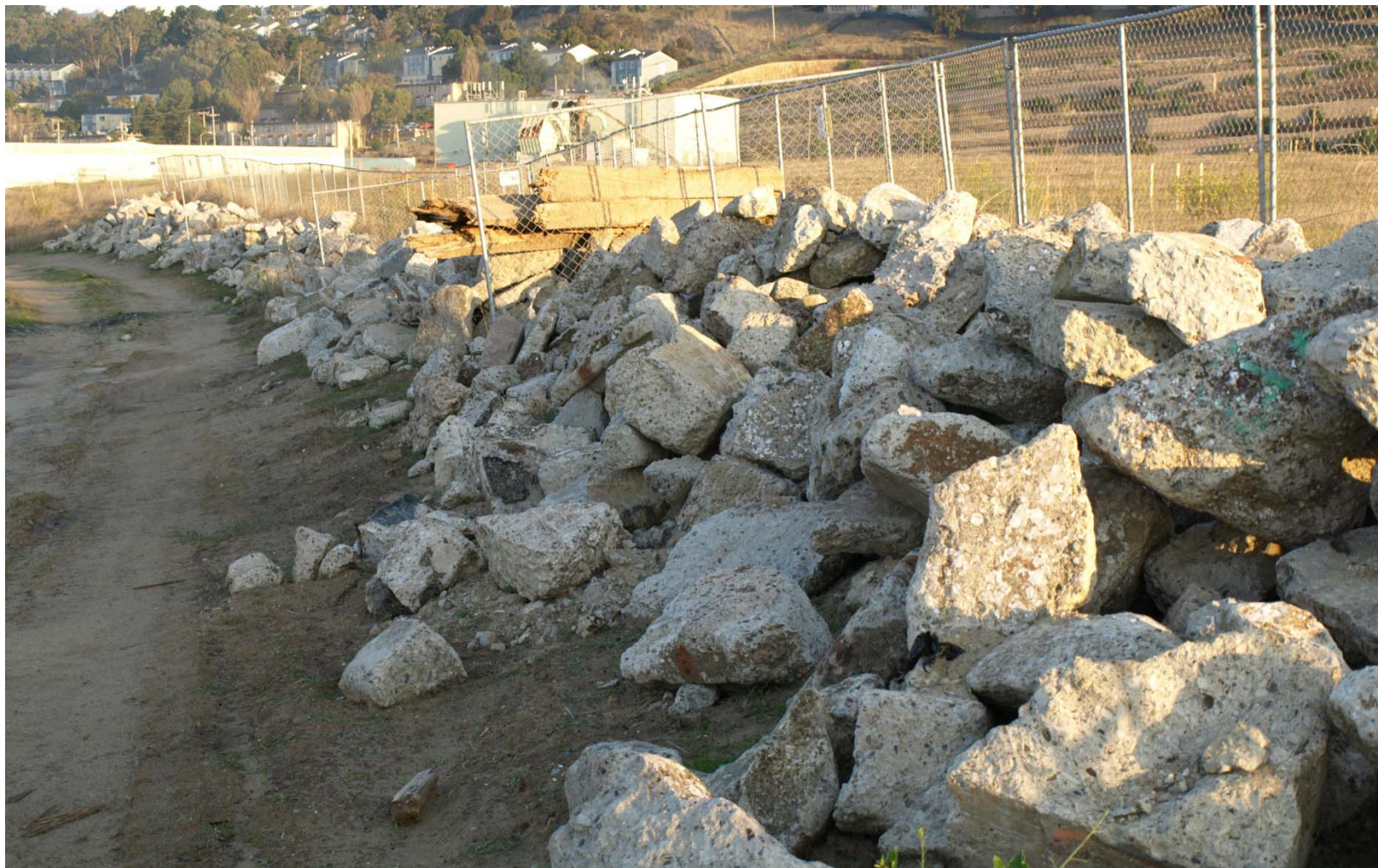


View of Tier 2 looking north – November 9, 2011

Hunters Point Naval Shipyard BCT Meeting – December 8, 2011_8



Tier 2 (continued)



Staged rock and concrete for shoreline protection – November 9, 2011



Tier 3



- 100% of grids excavated and confirmation sampled
- Over-excavated 3 sidewalls to 4-7.5 ft bgs
- 63% of Tier 3 has been backfilled
- Grid 224 sidewall at 8 ft PAL exceedance for TPH (15,907 mg/kg)
- Grid 231 still exhibits sidewall exceedances for TPH (9,000 mg/kg) and Pb (111,000 mg/kg)
- 4,602 cy excavated as of November 4



Tier 3 (continued)



Sample flags



Sample flags

View of Tier 3-EX-4 Grid 225. Note flags at sampling locations – November 9, 2011

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Tier 5



- 2,161 cy excavated as of December 5
- Partially excavated 6 of 7 grids
- Grids 238 and 239 not completed due to contract ceiling
- Confirmation sampling will be conducted in final excavation – results pending
- Navy currently evaluating additional VOC characterization via potholing



Material Potentially Presenting an Explosive Hazard



- MPPEH screening currently being conducted on soil from Tiers 1, 3, and 5
- 12 MDAS (material determined as safe) items encountered to date
- 3 wooden or chrome plated display items (non MPPEH) encountered to date
- No MEC (munitions and explosives of concern) encountered to date
- 16,300 cy processed to date





Radiological Screening



- Radiological screening currently being conducted on all soils and materials
- 27,000 cy soil and debris processed to date
- 35 commodities encountered to date



Origin	Item Inventory Number	Item Description	Dose Rate@ 1" (uR/hr)
CTO-005 Grid 233/232	HPS-COM-001	Metal Disc	800
CTO-5 Grid 228	HPS-COM-002	Cooper Tube	600
CTO-5 Grid 235	HPS-COM-003	Metal Nugget	200
CTO-5 RSY B6	HPS-COM-004	Metal Disc	1,400
CTO-5 RSY C1	HPS-COM-005	Metal Disc	1,000
CTO-5 RSY C3	HPS-COM-006	Rock	800
CTO-5 RSY E8	HPS-COM-007	Rock	100
CTO-5 RSY D2	HPS-COM-008	Soil	240
CTO-5 RSY C4	HPS-COM-009	Metal Plate	460
CTO-5 RSY E8	HPS-COM-010	Hydraulic Fluid Container	1,200
CTO-5 RSY B4	HPS-COM-011	Rock	230



Radiological Screening (continued)



Origin	Item Inventory Number	Item Description	Dose Rate@ 1" (uR/hr)
CTO-5 RSY B3	HPS-COM-012	Radioluminescent Disk	160
CTO-5 RSY C6	HPS-COM-013	Radioluminescent Disk	2,000
CTO-5 RSY E3	HPS-COM-014	Rock	470
CTO-5 RSY E3	HPS-COM-015	Rock	500
CTO-5 RSY C4	HPS-COM-016	Metal Strip	600
CTO-5 RSY C4	HPS-COM-017	Metal Strip	800
CTO-5 RSY C4	HPS-COM-018	Rock	30
CTO-5 RSY D8	HPS-COM-019	Sound Powered Phone Jack	2,900
CTO-5 RSY D8	HPS-COM-020	Sound Powered Phone Jack cover plate	2,500
CTO-5 RSY C4	HPS-COM-021	Rock	70
CTO-5 RSY B3	HPS-COM-022	<1/8" dia Rock	600
CTO-5 RSY B3	HPS-COM-023	8 cm x 9 cm Rock	70
CTO-5 RSY D10	HPS-COM-024	Metal Slag, ~2"	600
CTO-5 RSY C8	HPS-COM-025	~2" dia Radioluminescent disk	2,990
CTO-5 RSY D10	HPS-COM-026	1/2" dia metal disk	1,800

CTO-5 RSY B4	HPS-COM-027	1/2" dia metal disk	1,000
CTO-5 RSY A2	HPS-COM-028	1/2" dia metal disk	1,400
CTO-5 RSY B3	HPS-COM-029	Copper Tube, ~ 10 cm long.	800
CTO-5 RSY C9	HPS-COM-030	Sound Powered Phone Jack cover plate	400
CTO-5 RSY C9	HPS-COM-031	Sound Powered Phone Jack cover plate	1000
CTO-5 RSY C9	HPS-COM-032	Rope, 9cm x15 cm	80
CTO-5 Grid 226	HPS-COM-033	~2" dia Radioluminescent disk	30
CTO-5 Grid 226RSY C8	HPS-COM-034	~2" dia Radioluminescent disk	300
Tier 2	HPS-COM-35	Pipe Insulation	15



Complete to Date



- Excavated 38,636 cy from Tiers 1, 2, 3, and 5
- Generated 156 roll-off bins with LLRW (2,184)
- Imported approximately 80,000 cy for backfill and to build screenings
- Barged 10,000 cy for construction of RSY pads
- Transferred approximately 16,200 cy of non-LLRW for offsite disposal





What Gets Left Behind



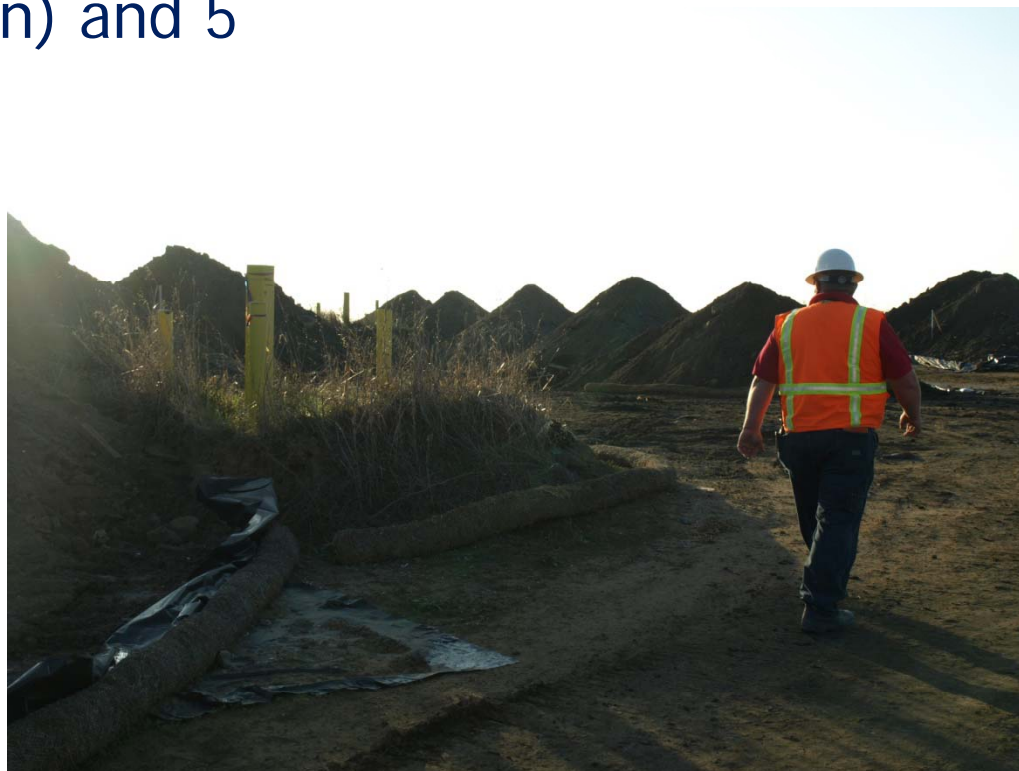
- Tier 1
 - TPH and PCB PAL exceedances in southern portion and continuing into Parcel E
- Tier 3
 - Grid 231 sidewall (PALs exceeded for TPH and Pb)
- Tier 5
 - Potential incomplete removal of PCE in Tier 5 to 10 ft bgs. Confirmation sampling and further characterization to be conducted to provide more information
- Further characterization may be conducted during Parcel E DGI effort



What's Next



- Complete characterization of Tier 5 excavation
- Continue radiological and MPPEH screening
- Backfill Tiers 3 (portion) and 5
- Place riprap at Tier 2
- Continue T&D





Schedule



Activity	Date
Continue Hot Spots Excavation	October – December 2011
Continue Radiological and MPPEH Soil Screening	October – March 2012
Continue Backfill and Site Restoration	October 2011 – March 2012
Demobilize	March 2012
Submit Draft Removal Action Completion Report	April 2012